

**State of Wisconsin/Department of Transportation  
RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: September 30, 2005**

**Project ID** 0092-00-03

**Project Title** Evaluation of Storm Water Treatment Technologies for Highway Run-Off

**Approved Starting Date (Contract Date):** 8/30/2000

**Estimated Completion Date:** March 15, 2006 (revised again, new target date for final report)

**Primary Investigator:** Judy A. Wierl, United States Geological Survey, [jawierl@usgs.gov] 608-821-3874.

**WisDOT Technical Contact:** Robert Pearson, P.G., (608) 266-7980, Rm 451

**Administrative Contact:** Nina McLawhorn

**Description:** This study evaluates the efficiency of two storm water treatment devices. The devices treat water draining off the elevated freeway deck in Milwaukee (I94 @ Milwaukee River). The focus is determining the ability of the treatment devices to remove pollutants. Information on the maintenance needs for these devices is also being gathered.

**Project Cost:** \$116,000

\*\* Revised Budget = \$75K (original FY00)+\$5K (construction contingency FY02)+\$36K(additional monitoring FY03)

**Expenditures for current quarter:** \$7,500 (invoices paid during reporting period)

**Total Expenditures to date:** \$102,087 (through reporting period June 2005)

**Percent Complete:** 95%

**Progress This Quarter:** (Includes project committee meetings, work plan status, contract status, significant progress, etc.)

- Final payment approval (9/8/05) for USGS to complete report (PO#TRE 3371903).
- USGS completed rough draft of final report (8/2/05) for review by primary researchers (Pearson – DOT/Bannerman – DNR) and is waiting for review comments.
- Received final invoice from State Lab (WSLH) for water quality testing, but again there were errors in billing. Notified (9/14/05) WSLOH to correct and resubmit final bill for the amount of \$8,872.65 (payment will be made when corrected).

**Work Next Quarter:** (Includes project committee meetings, work plan status, contract status, significant progress, etc.)

- Continue coordinating with TD2 Marquette Team regarding status of treatment devices.
- Resolve corrected invoice with WSLOH and make final payment (\$8,872.65).
- Send project extension agreement to USGS by 10/20/05 for extension to March 31, 2005.
- Pearson/Bannerman to meet (11/9/05) with USGS to provide formatting and review comments for rough draft prior to sending formal Draft 1 for WisDOT TOC review.

**Revised schedule for report preparation and completion as follows:**

- 1) **Draft 1 - November 30, 2005 due date.** WisDOT internal review (Pearson, Braun, Cape, Scudder, Linsenmayer) allowing 30 day review period.
- 2) WisDOT comments to USGS – January 7, 2006 (Pearson meeting with USGS)
- 3) USGS Editorial Review subsequent to incorporating WisDOT comments
- 4) USGS Peer Review (3 USGS Colleagues review)
- 5) USGS Region Review (Central Region Office - Ohio; or Washington D.C Headquarters)
- 6) **Final Report Availability – March 15, 2006** (Post report on USGS website and national distribution - 300 copies of report)

**Circumstances Affecting Progress/Budget:**

In final stages of project. Expecting final report publication in Spring of 2006. The research project managers (Pearson/Bannerman) are simply too busy with their primary workloads to keep on schedule. The goal is to complete report as soon as possible and no later than schedule provided above.

**Please attach Gantt Chart** - Not updated for this report. See “Work Next Quarter” for final schedule

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